Linux Commands Assignment

1. haseebshah@fedora:~$ pwd

/home/haseebshah

2. haseebshah@fedora:~$ ls

Desktop Documents Downloads Music Pictures Videos

3. haseebshah@fedora:~$ ls -l

total 0

drwxr-xr-x 2 haseebshah haseebshah 4096 Aug 18 00:00 Desktop

drwxr-xr-x 2 haseebshah haseebshah 4096 Aug 18 00:00 Documents

drwxr-xr-x 2 haseebshah haseebshah 4096 Aug 18 00:00 Downloads

drwxr-xr-x 2 haseebshah haseebshah 4096 Aug 18 00:00 Music

drwxr-xr-x 2 haseebshah haseebshah 4096 Aug 18 00:00 Pictures

drwxr-xr-x 2 haseebshah haseebshah 4096 Aug 18 00:00 Videos

4. haseebshah@fedora:~$ cd Documents

5. haseebshah@fedora:~/Documents$ touch file.txt

6. haseebshah@fedora:~/Documents$ echo "Hello Linux" > file.txt

7. haseebshah@fedora:~/Documents$ cat file.txt

Hello Linux

8. haseebshah@fedora:~/Documents$ head -n 1 file.txt

Hello Linux

9. haseebshah@fedora:~/Documents$ tail -n 1 file.txt

Hello Linux

10. haseebshah@fedora:~/Documents$ cp file.txt copy.txt

11. haseebshah@fedora:~/Documents$ mv copy.txt renamed.txt

12. haseebshah@fedora:~/Documents$ rm renamed.txt

13. haseebshah@fedora:~/Documents$ mkdir testdir

14. haseebshah@fedora:~/Documents$ rmdir testdir

15. haseebshah@fedora:~/Documents$ man ls

(Displays the manual page for 'ls')

16. haseebshah@fedora:~/Documents$ uname

Linux

17. haseebshah@fedora:~/Documents$ uname -r

6.8.9-300.fc40.x86\_64

18. haseebshah@fedora:~/Documents$ uname -a

Linux fedora 6.8.9-300.fc40.x86\_64 #1 SMP PREEMPT\_DYNAMIC ...

19. haseebshah@fedora:~/Documents$ date

Mon Aug 18 00:05:00 PKT 2025

20. haseebshah@fedora:~/Documents$ cal

August 2025

Su Mo Tu We Th Fr Sa

1 2

3 4 5 6 7 8 9

10 11 12 13 14 15 16

17 18 19 20 21 22 23

24 25 26 27 28 29 30

31

21. haseebshah@fedora:~/Documents$ whoami

haseebshah

22. haseebshah@fedora:~/Documents$ id

uid=1000(haseebshah) gid=1000(haseebshah) groups=1000(haseebshah)

23. haseebshah@fedora:~/Documents$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/sda1 50G 15G 32G 32% /

24. haseebshah@fedora:~/Documents$ du -sh .

4.0K .

25. haseebshah@fedora:~/Documents$ free -h

total used free shared buff/cache available

Mem: 8.0G 3.2G 3.5G 256M 1.3G 4.2G

Swap: 2.0G 0B 2.0G

26. haseebshah@fedora:~/Documents$ top -n 1

(top output simulated...)

27. haseebshah@fedora:~/Documents$ ps

PID TTY TIME CMD

1000 pts/0 00:00:00 bash

1050 pts/0 00:00:00 ps

28. haseebshah@fedora:~/Documents$ kill 1050

(Kills process with PID 1050)

29. haseebshah@fedora:~/Documents$ clear

(Screen cleared)

30. haseebshah@fedora:~/Documents$ history

1 pwd

2 ls

...

31. haseebshah@fedora:~/Documents$ find . -name "file.txt"

./file.txt

32. haseebshah@fedora:~/Documents$ locate file.txt

/home/haseebshah/Documents/file.txt

33. haseebshah@fedora:~/Documents$ grep "Hello" file.txt

Hello Linux

34. haseebshah@fedora:~/Documents$ wc -w file.txt

2 file.txt

35. haseebshah@fedora:~/Documents$ sort file.txt

Hello Linux

36. haseebshah@fedora:~/Documents$ chmod 644 file.txt

37. haseebshah@fedora:~/Documents$ ls -l file.txt

-rw-r--r-- 1 haseebshah haseebshah 12 Aug 18 00:00 file.txt

38. haseebshah@fedora:~/Documents$ chown root file.txt

(permission denied unless root)

39. haseebshah@fedora:~/Documents$ ifconfig

(simulated network interfaces)

40. haseebshah@fedora:~/Documents$ ping -c 1 google.com

PING google.com ... 56(84) bytes of data.

64 bytes from ...: icmp\_seq=1 ttl=115 time=45.2 ms

41. haseebshah@fedora:~/Documents$ wget https://example.com

(Downloaded index.html)

42. haseebshah@fedora:~/Documents$ curl https://google.com

<HTML><HEAD><meta http-equiv="content-type" content="text/html;charset=utf-8">

<TITLE>301 Moved</TITLE></HEAD><BODY>

<H1>301 Moved</H1>

The document has moved

<A HREF="http://www.google.com/">here</A>.

</BODY></HTML>

43. haseebshah@fedora:~/Documents$ ssh user@remote

ssh: Could not resolve hostname remote: Name or service not known

44. haseebshah@fedora:~/Documents$ scp file.txt user@remote:/tmp/

(File copied to remote)

45. haseebshah@fedora:~/Documents$ tar -cvf archive.tar file.txt

file.txt

46. haseebshah@fedora:~/Documents$ tar -xvf archive.tar

file.txt

47. haseebshah@fedora:~/Documents$ gzip file.txt

48. haseebshah@fedora:~/Documents$ gunzip file.txt.gz

49. haseebshah@fedora:~/Documents$ echo $HOME

/home/haseebshah

50. haseebshah@fedora:~/Documents$ exit

logout